

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691768

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-5TLD-U-T2-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10043 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type I - Short  
BUG Rating: B3 - U3 - G3  
  
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

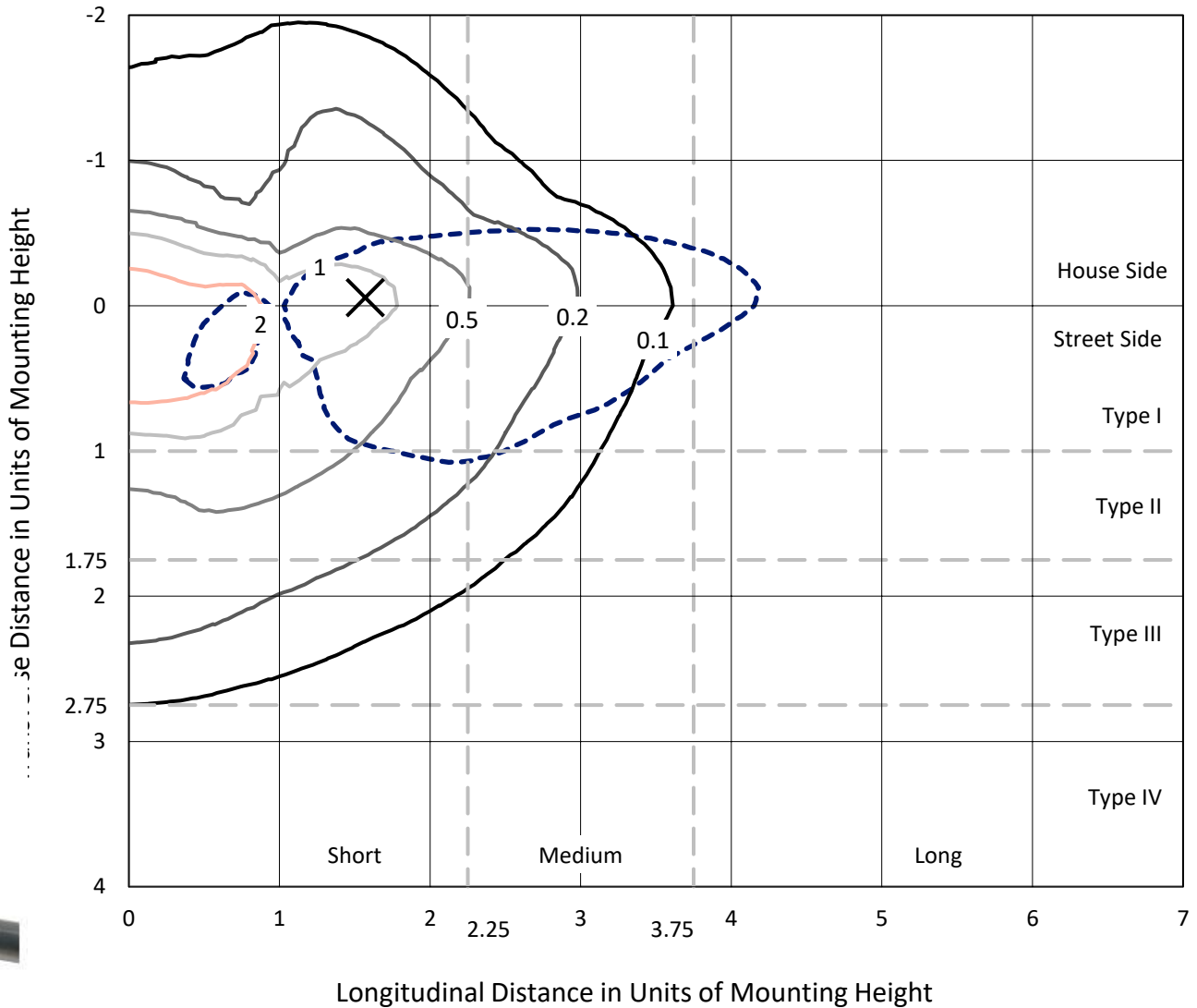


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### Iso-Footcandle Lines of Horizontal Illumination

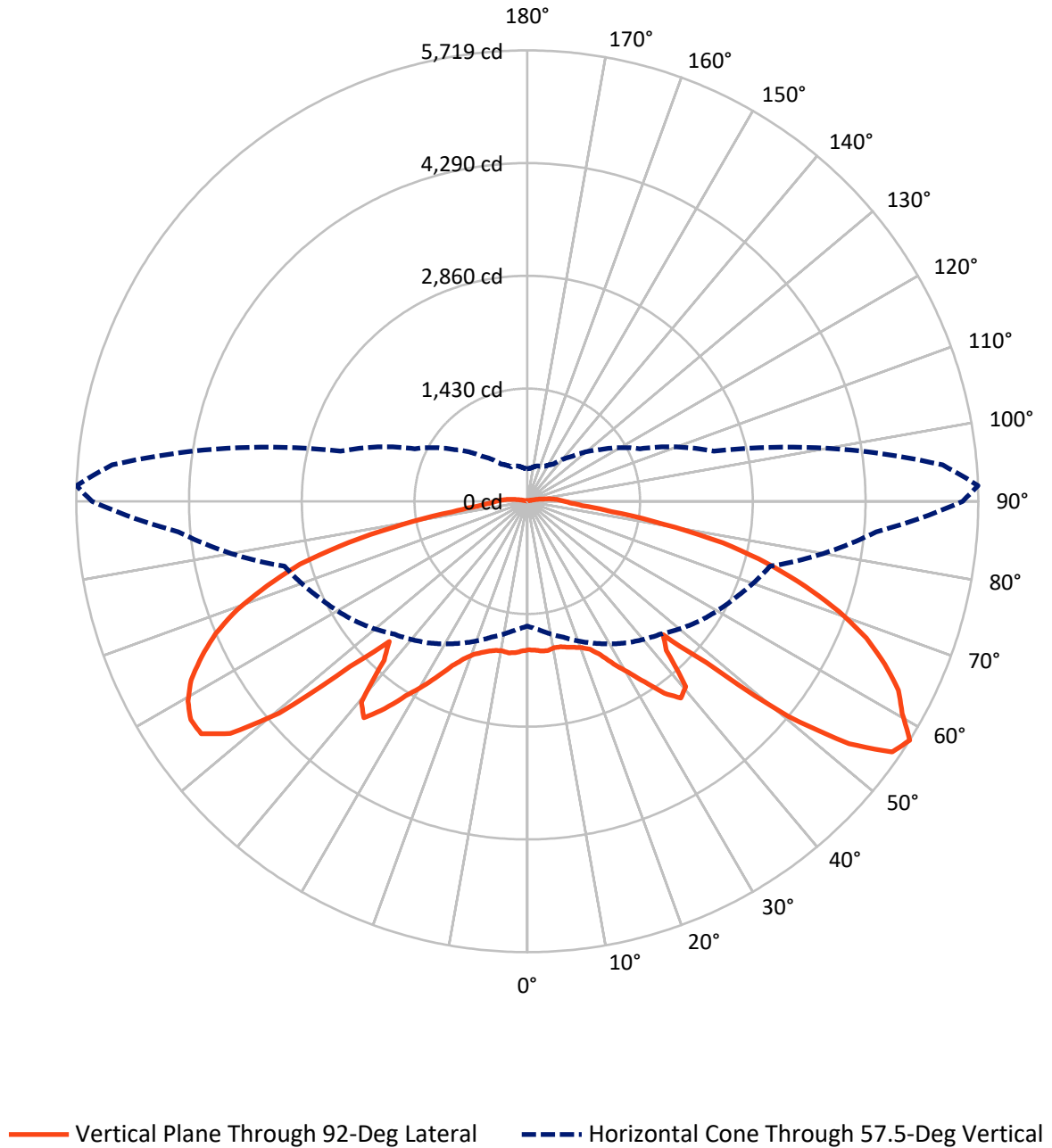
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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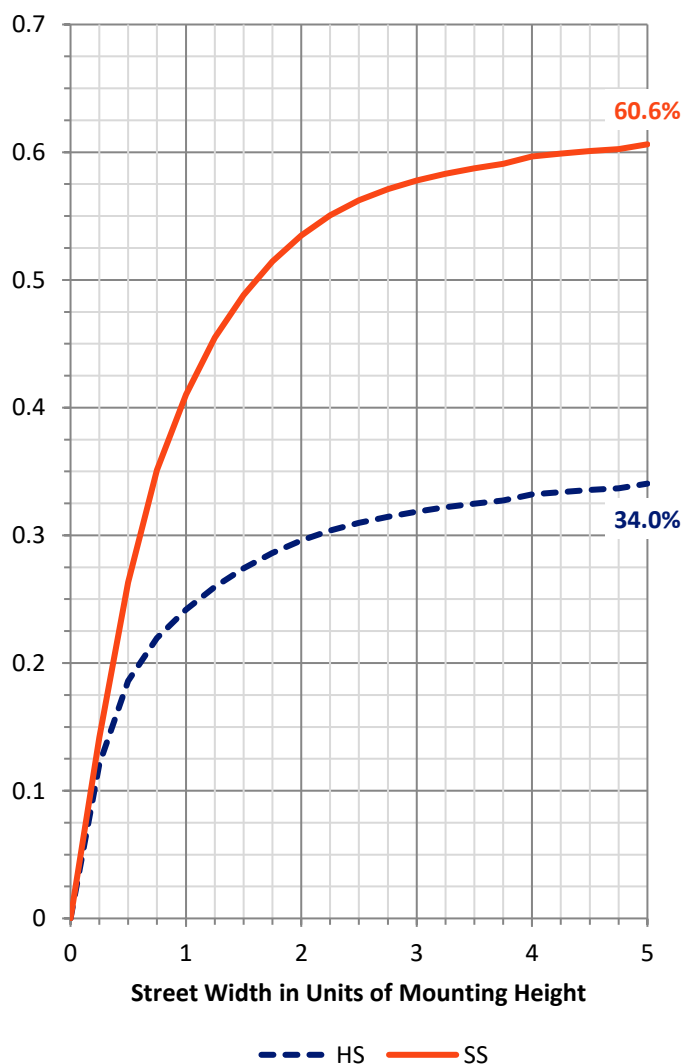
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3583.4	156.5	3740.0
	% Fixture	35.7	1.6	37.2
<b>Street Side</b>	Lumens	6175.2	127.8	6303.0
	% Fixture	61.5	1.3	62.8
<b>Total</b>	Lumens	9758.6	284.4	10043.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	1.8
10°-20°	532.2	5.3
20°-30°	882.7	8.8
30°-40°	1221.6	12.2
40°-50°	1140.7	11.4
50°-60°	1704.4	17.0
60°-70°	2024.6	20.2
70°-80°	1485.9	14.8
80°-90°	585.8	5.8
90°-100°	206.3	2.1
100°-110°	48.8	0.5
110°-120°	18.8	0.2
120°-130°	9.6	0.1
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9758.6	97.2
0°-180°	10043.0	100.0

**Coefficient of Utilization**



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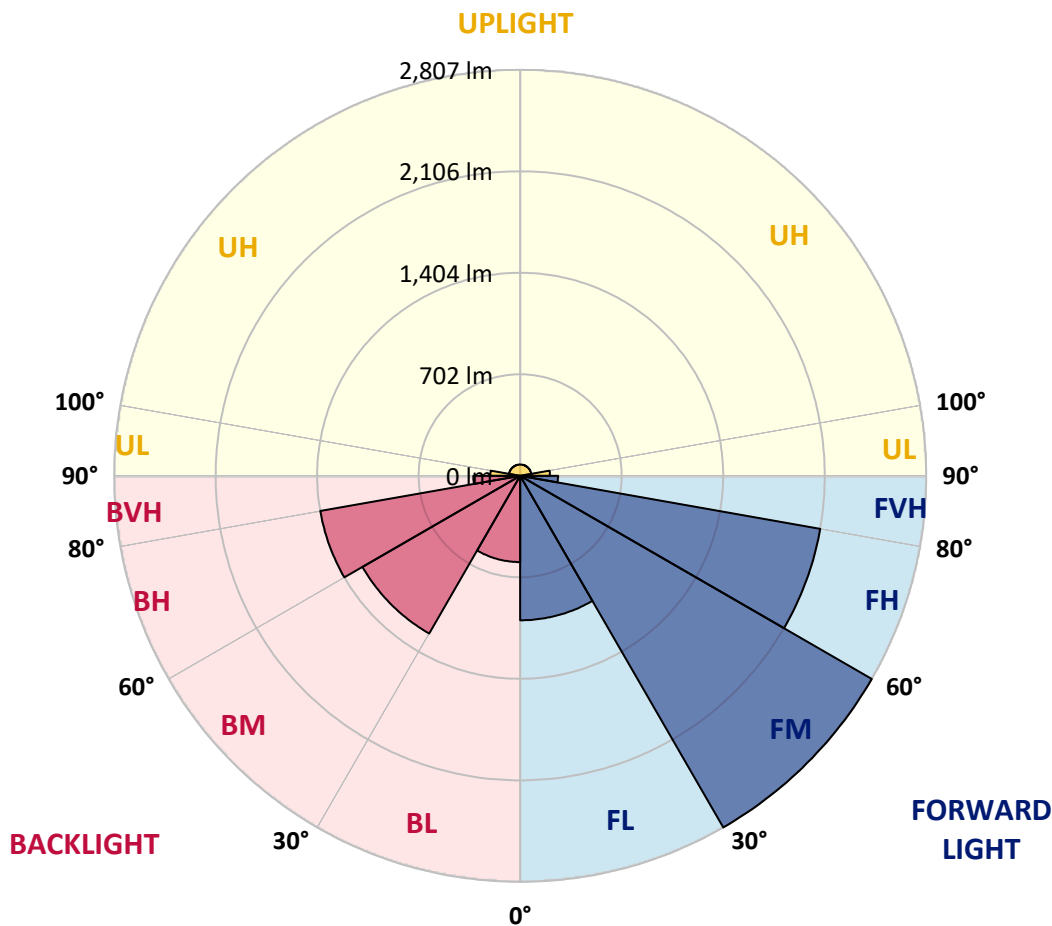
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.0	9.9			
FM (30°-60°)	2807.5	28.0			
FH (60°-80°)	2106.9	21.0			G2/5000
FVH (80°-90°)	261.8	2.6			G3/500
BL (0°-30°)	596.5	5.9	B2/1000		
BM (30°-60°)	1259.3	12.5	B2/2500		
BH (60°-80°)	1403.7	14.0	B3/2500		G3/2500
BVH (80°-90°)	324.0	3.2			G3/500
UL (90°-100°)	206.3	2.1		U3/500	
UH (100°-180°)	78.1	0.8		U3/500	

**BUG Rating: B3-U3-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9
2.5°	1965.1	1951.5	1954.9	1951.5	1944.8	1938.0	1931.3	1924.5	1914.3	1904.2	1897.4
5°	2080.1	2066.5	2066.5	2066.5	2053.0	2032.7	2005.7	1988.8	1965.1	1938.0	1917.7
7.5°	2157.9	2147.7	2144.3	2141.0	2124.0	2110.5	2080.1	2026.0	1988.8	1954.9	1924.5
10°	2184.9	2184.9	2181.5	2171.4	2154.5	2137.6	2117.3	2066.5	2005.7	1948.2	1907.6
12.5°	2235.7	2242.4	2232.3	2215.4	2208.6	2188.3	2157.9	2117.3	2049.6	1961.7	1914.3
15°	2313.4	2310.1	2296.5	2293.2	2286.4	2262.7	2235.7	2184.9	2107.1	1995.5	1941.4
17.5°	2347.3	2343.9	2343.9	2343.9	2343.9	2327.0	2323.6	2266.1	2184.9	2049.6	1982.0
20°	2354.0	2354.0	2364.2	2387.9	2391.2	2387.9	2404.8	2367.6	2272.9	2117.3	2026.0
22.5°	2398.0	2401.4	2418.3	2442.0	2458.9	2465.6	2479.2	2496.1	2408.1	2225.5	2110.5
25°	2374.3	2391.2	2428.4	2465.6	2506.2	2529.9	2604.3	2661.8	2587.4	2384.5	2228.9
27.5°	2333.7	2347.3	2421.7	2489.3	2580.6	2678.7	2787.0	2861.4	2817.4	2580.6	2418.3
30°	2370.9	2370.9	2418.3	2529.9	2648.3	2827.5	2986.5	3067.7	3047.4	2787.0	2638.1
32.5°	2293.2	2313.4	2414.9	2577.3	2756.5	2989.9	3152.2	3304.4	3324.7	3054.2	2814.0
35°	2063.2	2107.1	2174.8	2387.9	2692.3	3098.1	3348.4	3541.2	3625.8	3358.6	3077.8
37.5°	1704.6	1721.6	1863.6	2076.7	2438.6	2841.1	3274.0	3744.1	3920.0	3588.5	3341.6
40°	1505.1	1515.2	1606.6	1792.6	2097.0	2492.7	2858.0	3341.6	3480.3	3446.5	3213.1
42.5°	1437.4	1454.4	1562.6	1741.8	1998.9	2272.9	2367.6	2577.3	2523.1	2668.6	2743.0
45°	1518.6	1528.8	1606.6	1762.1	1924.5	2042.9	1975.2	2124.0	2198.5	2485.9	2502.9
47.5°	1576.1	1582.9	1667.4	1863.6	1890.7	1894.1	1985.4	2073.3	2279.6	2902.0	3179.3
50°	1352.9	1386.7	1549.1	1718.2	1731.7	1998.9	2259.3	2435.2	2688.9	3821.9	4352.9
52.5°	1254.8	1271.7	1447.6	1741.8	1938.0	2249.2	2435.2	2611.1	2854.6	4221.0	5154.5
55°	1376.6	1403.6	1613.3	1941.4	2137.6	2350.7	2584.0	2800.5	3040.6	4427.3	5513.0
57.5°	1582.9	1633.6	1785.8	1985.4	2191.7	2384.5	2655.1	2905.3	3186.1	4440.9	5519.8
60°	1992.1	1954.9	1870.4	1958.3	2157.9	2377.7	2688.9	2956.1	3267.2	4437.5	5364.2
62.5°	2272.9	2218.7	1938.0	1897.4	2083.5	2306.7	2614.5	2949.3	3250.3	4288.7	5188.3
65°	2218.7	2181.5	1965.1	1816.3	1951.5	2191.7	2513.0	2908.7	3169.2	4129.7	4870.4
67.5°	1914.3	1870.4	1779.1	1721.6	1789.2	2069.9	2418.3	2827.5	3074.4	3947.1	4522.0
70°	1562.6	1538.9	1508.5	1569.4	1653.9	1917.7	2245.8	2651.7	2895.2	3598.7	4150.0
72.5°	1325.8	1312.3	1275.1	1339.4	1481.4	1718.2	1992.1	2398.0	2672.0	3128.6	3690.0
75°	1116.1	1119.5	1099.2	1139.8	1231.1	1464.5	1681.0	2076.7	2381.1	2685.5	3192.8
77.5°	916.6	906.4	926.7	950.4	1011.3	1180.4	1325.8	1670.8	2032.7	2130.8	2448.7
80°	669.7	686.6	723.8	720.4	771.1	845.6	943.6	1126.3	1427.3	1525.4	1647.1
82.5°	473.5	493.8	527.6	490.4	497.2	517.5	561.5	646.0	805.0	903.1	1004.5
85°	334.8	345.0	351.8	324.7	324.7	338.2	368.7	429.5	527.6	588.5	642.6
87.5°	243.5	246.9	260.4	246.9	250.3	257.0	284.1	324.7	405.9	449.8	493.8
90°	186.0	186.0	192.8	189.4	196.2	209.7	236.8	270.6	331.5	385.6	426.2
92.5°	135.3	135.3	142.1	145.4	148.8	165.7	189.4	216.5	257.0	324.7	365.3
95°	104.8	104.8	111.6	111.6	115.0	128.5	148.8	175.9	206.3	253.7	290.9
97.5°	77.8	77.8	84.6	84.6	87.9	98.1	115.0	131.9	159.0	189.4	206.3
100°	60.9	60.9	64.3	64.3	67.6	77.8	87.9	98.1	104.8	121.8	128.5
102.5°	50.7	50.7	50.7	50.7	50.7	57.5	60.9	60.9	64.3	74.4	77.8
105°	40.6	40.6	40.6	37.2	37.2	40.6	40.6	40.6	44.0	44.0	47.4
107.5°	30.4	30.4	30.4	30.4	30.4	33.8	33.8	33.8	33.8	37.2	37.2
110°	27.1	27.1	27.1	27.1	27.1	27.1	30.4	30.4	30.4	30.4	30.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.7	23.7	23.7	23.7	23.7	23.7	27.1	27.1	27.1	27.1	27.1
115°	20.3	20.3	20.3	20.3	20.3	23.7	27.1	23.7	23.7	23.7	23.7
117.5°	16.9	16.9	16.9	20.3	20.3	20.3	23.7	20.3	20.3	20.3	23.7
120°	13.5	13.5	16.9	16.9	16.9	16.9	16.9	16.9	20.3	20.3	20.3
122.5°	13.5	13.5	13.5	13.5	13.5	16.9	16.9	16.9	16.9	16.9	20.3
125°	10.1	10.1	10.1	13.5	13.5	13.5	13.5	13.5	13.5	16.9	16.9
127.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	13.5	13.5
130°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9	1883.9
2.5°	1890.7	1890.7	1870.4	1850.1	1829.8	1809.5	1792.6	1782.4	1768.9	1772.3	1772.3
5°	1907.6	1897.4	1853.5	1826.4	1796.0	1768.9	1741.8	1718.2	1711.4	1708.0	1694.5
7.5°	1911.0	1894.1	1846.7	1806.1	1748.6	1684.4	1653.9	1626.9	1609.9	1623.5	1616.7
10°	1887.3	1867.0	1812.9	1752.0	1670.8	1616.7	1569.4	1542.3	1528.8	1532.2	1528.8
12.5°	1894.1	1870.4	1782.4	1691.1	1623.5	1532.2	1474.7	1451.0	1434.1	1434.1	1423.9
15°	1921.1	1880.5	1755.4	1660.7	1549.1	1471.3	1403.6	1386.7	1380.0	1373.2	1363.0
17.5°	1948.2	1890.7	1752.0	1606.6	1481.4	1396.9	1329.2	1298.8	1281.9	1281.9	1278.5
20°	1982.0	1911.0	1731.7	1549.1	1417.2	1305.5	1224.4	1197.3	1183.8	1180.4	1173.6
22.5°	2039.5	1965.1	1721.6	1525.4	1332.6	1217.6	1139.8	1089.1	1062.0	1058.6	1058.6
25°	2154.5	2063.2	1741.8	1461.1	1275.1	1126.3	1031.6	980.8	950.4	950.4	947.0
27.5°	2337.1	2191.7	1772.3	1437.4	1166.9	1028.2	930.1	852.3	825.3	825.3	828.6
30°	2516.4	2387.9	1850.1	1386.7	1106.0	899.7	781.3	723.8	690.0	676.4	679.8
32.5°	2729.5	2594.2	1958.3	1352.9	984.2	747.5	639.2	608.8	558.1	544.5	534.4
35°	2989.9	2793.7	2080.1	1305.5	889.5	635.9	547.9	487.0	463.4	446.5	443.1
37.5°	3165.8	2993.3	2188.3	1315.7	757.6	575.0	476.9	412.6	389.0	392.3	392.3
40°	3091.4	2891.8	2215.4	1248.0	646.0	500.6	399.1	361.9	348.4	351.8	355.1
42.5°	2584.0	2479.2	1833.2	1116.1	534.4	402.5	334.8	334.8	345.0	334.8	334.8
45°	2414.9	2151.1	1332.6	784.7	402.5	331.5	317.9	328.1	351.8	351.8	351.8
47.5°	3057.5	2759.9	1193.9	656.2	449.8	372.0	345.0	328.1	331.5	328.1	328.1
50°	4288.7	3821.9	1603.2	818.5	544.5	443.1	392.3	358.5	358.5	351.8	345.0
52.5°	5107.2	4616.7	1951.5	1024.8	683.2	517.5	449.8	389.0	368.7	355.1	351.8
55°	5614.5	5242.5	2252.6	1312.3	889.5	615.6	500.6	436.3	405.9	378.8	375.4
57.5°	5719.4	5286.4	2452.1	1576.1	1146.6	808.4	575.0	483.7	463.4	419.4	412.6
60°	5462.3	5174.8	2529.9	1748.6	1369.8	1065.4	750.9	561.5	517.5	487.0	480.3
62.5°	5283.0	4951.6	2502.9	1806.1	1508.5	1278.5	987.6	690.0	564.8	568.2	598.7
65°	4982.0	4758.8	2303.3	1721.6	1501.7	1349.5	1109.4	798.2	581.7	575.0	612.2
67.5°	4637.0	4461.2	2103.7	1535.5	1383.3	1251.4	1031.6	761.0	551.3	517.5	520.9
70°	4194.0	4045.2	1900.8	1430.7	1275.1	1109.4	896.3	659.5	544.5	490.4	490.4
72.5°	3683.3	3507.4	1731.7	1352.9	1217.6	1065.4	859.1	635.9	585.1	564.8	581.7
75°	3142.1	2918.9	1599.8	1278.5	1177.0	1065.4	855.7	635.9	585.1	568.2	568.2
77.5°	2533.3	2401.4	1457.7	1160.1	1095.8	1014.7	788.1	591.9	575.0	568.2	568.2
80°	1752.0	1731.7	1187.2	1007.9	991.0	960.6	740.7	571.6	571.6	561.5	547.9
82.5°	1075.6	1024.8	848.9	754.2	811.7	855.7	673.1	537.8	524.2	514.1	507.3
85°	696.7	700.1	595.3	527.6	561.5	652.8	568.2	487.0	466.7	473.5	473.5
87.5°	534.4	551.3	466.7	429.5	422.8	443.1	446.5	436.3	422.8	412.6	416.0
90°	460.0	466.7	375.4	345.0	341.6	348.4	348.4	368.7	368.7	334.8	314.5
92.5°	385.6	395.7	311.2	280.7	280.7	290.9	297.6	297.6	270.6	219.8	196.2
95°	304.4	311.2	246.9	223.2	226.6	226.6	223.2	213.1	165.7	98.1	87.9
97.5°	213.1	216.5	182.6	169.1	172.5	165.7	145.4	131.9	101.5	57.5	54.1
100°	135.3	138.7	115.0	111.6	121.8	108.2	94.7	87.9	60.9	37.2	44.0
102.5°	81.2	81.2	71.0	67.6	74.4	64.3	57.5	47.4	37.2	23.7	30.4
105°	47.4	47.4	44.0	44.0	44.0	40.6	37.2	30.4	20.3	16.9	16.9
107.5°	37.2	37.2	33.8	33.8	30.4	30.4	27.1	20.3	13.5	10.1	10.1
110°	30.4	30.4	27.1	27.1	27.1	23.7	20.3	16.9	10.1	6.8	6.8



REPORT NUMBER: P691768  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.1	27.1	23.7	23.7	20.3	20.3	16.9	13.5	10.1	6.8	6.8
115°	23.7	23.7	20.3	16.9	16.9	16.9	13.5	10.1	6.8	3.4	6.8
117.5°	23.7	23.7	16.9	13.5	13.5	13.5	10.1	10.1	6.8	3.4	3.4
120°	20.3	20.3	13.5	13.5	10.1	10.1	10.1	6.8	3.4	3.4	3.4
122.5°	16.9	16.9	13.5	10.1	10.1	10.1	6.8	6.8	3.4	3.4	3.4
125°	16.9	16.9	10.1	10.1	10.1	6.8	6.8	6.8	3.4	0.0	0.0
127.5°	13.5	13.5	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0
130°	10.1	10.1	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)